

RIBBON TWEETER REPLACEMENT

Before starting this process read these instructions fully. Make sure you have a clean and flat workspace as it may be easier to lay your speaker down for this process. Verify that you have the necessary tools and supplies. It is recommended that you work on one speaker at a time. If you have questions contact the Service Department at service@magnepan.com or (651) 262-1934. Ribbon Tweeters are particularly fragile; please be cautious when handling them, *especially when the Tweeter Protector Strip is not installed*. Quick movements, rapid jerks, unrestricted airflow, and foreign objects can easily break the Tweeter Ribbon. Each of the following steps should be taken **carefully**. Please see the Diagram and notes on the next page for reference through this process.

REMOVAL:

- 1.) Install the Tweeter Protector Strip over backside of ribbon tweeter, as shown, to prevent damage to the ribbon while moving the speaker panel. If the Tweeter Ribbon is already broken this step can be skipped.
- 2.) It is recommended that you carefully lay the speaker on a flat table or working surface.
- 3.) Removed the Tweeter Protector Strip and pry away the two Ribbon Tweeter Emblems.
- 4.) Disconnect the Terminations at the top and bottom of the Tweeter Channel. Most models use mechanical, “quick connectors,” or “Flags;” these can be pulled off of the solder lugs using the fingers. If they are too snug a rocking motion can be employed. Some of the older models use soldered Terminations; these will need to be unsoldered.
- 5.) Reinstall the Tweeter Protector Strip over ribbon. As with before, if the Tweeter Ribbon is broken, skip this step.
- 6.) Remove the Screws that attach the Tweeter within the Tweeter Channel.
- 7.) To remove the Tweeter from the speaker simply lift the entire Tweeter Assembly from the Tweeter Channel within the Frame. If needed, a small flathead screwdriver may be used to pry the end up.

INSTALLATION:

- 1.) Place the new Ribbon Tweeter into the Tweeter Channel within the Frame. Ensure that the tweeter protector strip is installed throughout this process—unless instructed to remove it. The Ribbon Tweeter should be oriented such that the Serial Number is visible and near the bottom of the speaker. (There is also a white dot on the steel channel signifying which side is the bottom.)
- 2.) Install each Screw securing the Ribbon Tweeter within the Channel. There should be no Screw Holes left empty.
- 3.) Temporarily remove the Tweeter Protector Strip in order to connect the Terminations at the top and bottom of the Tweeter Channel. Most models use mechanical, “quick connectors,” or “Flags;” these can fitted onto the solder lugs using the fingers. If they are too snug a rocking motion can be employed. Some of the older models use soldered Terminations; these will need to be soldered on. It is recommended to place a piece of paper or cardboard over the exposed Tweeter Ribbon when soldering—a stray solder spit can easily destroy the Ribbon. After the Terminations are connected make sure to place the wire back into the Tweeter Channel in such a way that it doesn’t bulge the fabric.
- 4.) To install the Ribbon Tweeter Emblems, in order to hide the Terminations, peel the liner from the back of the Emblems and press them on each end of the Ribbon Tweeter. Ensure that they are oriented correctly.
- 5.) Reinstall the Tweeter Protector strip.
- 6.) Return the speaker to its listening position and then finally remove the Tweeter Protector Strip.

MODEL SPECIFIC NOTES:

60.6” Ribbon Tweeter Notes:

(For Models MG3.3 thru MG3.7i, MG20 thru MG20.7, & MG30.7)

This is the most common Ribbon Tweeter. Most use mechanical terminations but some early model MG3.3’s may have solder terminations. These Tweeters ought to be exposed and accessible from the back of the speaker.

40" Ribbon Tweeter Notes:

(For Models MG2.5 & MG2.6)

These Tweeters, besides late model MG2.6's use solder terminations. The underbag may be concealing these tweeters. Please see the UNDERBAG INSTRUCTIONS for reference.

60" Ribbon Tweeter Notes:

(For Models T-IV, T-IVa, MG-III, & MG-IIIa)

All of these Tweeters will be terminated using soldered connections and these Tweeters ought to be exposed and accessible from the back of the speaker. T-IV & IVa's prior to serial number 020949, and MG-III & IIIa's prior to serial number 063744 must have a resistor inserted manually. (Speakers with serial numbers after these numbers respectively do not need a resistor). Early model Tympani-IV loudspeakers (S/N 02044 thru 020544) have only one fuseholder on the Nameplate that fuses both the midrange driver and the ribbon tweeter together. To complete the described resistor insertion, the midrange and tweeter must be fused separately. Please see separate instructions for this process. If the above conversion has already been performed, and there is a resistor install on or around the back of the nameplate, then this can be skipped.

Mini Ribbon Tweeter Notes:

(For Model Mini)

All Minis should exclusively use quick connector terminations. Some older Minis may have the Tweeters exposed, but the majority of them will have the Tweeter underneath the fabric cover. Please see the FABRIC REMOVAL/ INSTALLATION INSTRUCTIONS.

Curved Ribbon Tweeter Notes:

(For Model CCR)

All CCR's should exclusively use quick connector terminations. These curved tweeters are underneath the fabric and both fabric and frame disassembly are required to access the Tweeter.

RETURN PROCEDURE:

Ribbon Tweeters must be returned to Magnepan in the Factory packaging. Ensure that the Tweeter Core(s) are return as they were received. (within the PVC tube with the end caps installed. The tube should be placed inside the box with the foam spacers and ends securing the tube in the center of the box.) Return Authorization is not required, but make sure the billing customer name is on the packaging somewhere—the shipping label is acceptable. Tracking does not need to be provided and no notice needs to be given before returning the Tweeter(s). The logistics of returning the Tweeter Core(s), both in shipping and finance are the sole responsibility of the customer. Failure to return the Tweeter(s) within the exchange window will result in a Core charge. Failure to comply with the instructions herein may result in delays or complications. If the Tweeter(s) are returned with significant damage such as to render them unusable, a core charge, or other such fee may be assessed. In the event that a Tweeter Core will not be returned (kept as a spare, for instance), please reach out to the Service Department. If the Tweeter Cores will be late, similarly reach out to the Service Department as leniency may be available.

